District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☒ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: **WHITING OIL & GAS CORPORATION OGRID #: 25078**
Address: **400 W ILLINOIS STE 1300 MIDLAND, TEXAS 79701**
Facility or well name: **LEWIS 2028 26 WELL # 1**
API Number: **30-021-20669** OCD Permit Number: 193186
U/L or Qtr/Qtr L Section _26_ Township __20N Range __28E County: HARDING COUNTY
Center of Proposed Design: Latitude 35.9342389 Longitude -103.9413639 NAD: ☒ 1927 ☐ 1983
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☒ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: _____bbl Type of fluid: _____
Tank Construction material: _____
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify_____

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.

Proposed Closure: 19.15.17.13 NMAC

Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method:
- ☐ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
  - ☐ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method

14.

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.

Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

18.
OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** 6.18.2015

Title: Engineer **OCD Permit Number:** _____

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ **Closure Completion Date: 05/21/2015**

20.
Closure Method:

☐ Waste Excavation and Removal ☒ On-Site Closure Method ☒ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☒ If different from approved plan, please explain. Amended original C-144 plan to Onsite Trench Burial which was approved 2/23/15

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Proof of Closure Notice (surface owner and division)
- ☒ Proof of Deed Notice (required for on-site closure for private land only)
- ☒ Plot Plan (for on-site closures and temporary pits)
- ☒ Confirmation Sampling Analytical Results (if applicable)
- ☒ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☒ Soil Backfilling and Cover Installation
- ☒ Re-vegetation Application Rates and Seeding Technique
- ☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 35.95108 Longitude -103.95110 NAD: ☒ 1927 ☐ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): KAY MADDOX Title: REGULATORY SUPERVISOR

Signature: Kay Maddox Date: 05/15/2015

e-mail address: KAY.MADDOX@WHITING.COM Telephone: 432.686.6709

WHITING OIL AND GAS CORPORATION
PIT CLOSURE REPORT

LEWIS 2028 26 Well #1
API NO 30-021-20669

1) The pit will be closed within six (6) months from the date that the drilling or workover rig is released. If necessary, the division district office may grant an extension not to exceed three (3) months.
   The Drlg rig was released 11/23/2014 after drilling this well
2) Surface Owners will be notified by Certified mail at least 72 hours but not more than one week prior to closure of the Temporary pit. The notice shall include well name, API number and location.
   Reference attached notification
3) The Appropriate Division District Office (OCD) will be notified verbally and in writing at least 72 hours but not more than one week prior to closure of the Temporary pit. The notice shall include well name, API number and location.
   NMOCD was notified via email – reference attached copy of email
4) If on site burial is on PRIVATE LAND, Whiting will file a deed notice identifying the exact location of the onsite burial with the county clerk in county where onsite burial occurs
   Certified Recorded Deed Notice attached
5) All liquids from the pit will be removed prior to closure. Liquids will be disposed of at the Sundance Services, Inc. Parabo Disposal Facility (Permit No. 010003), unless they are recycled, reused, or reclaimed in a division district office-approved manner.
   Liquids from pit evaporated, no removal was required.
6) The pit will be stabilized with clean non-waste containing earthen material with a ratio no more then 3:1
   Pit was stabilized with non-waste containing earthen material in order to achieve the solidification process. The solidification process was accomplished by using a combination of natural drying and Mechanically mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is deemed safe and stable. The mixing ratio consisted of approximately 3 parts clean soil to 1 part pit contents.
7) After stabilization, the contents of the pit will be tested to determine whether concentrations are below standards. A five-point composite sample will be collected. The samples will be sent to an approved laboratory and analyzed for benzene, total BTEX, TPH, the GRO and DRO combined fraction, and chlorides. Assuming water could be encountered around 100', the following should not be exceeded:

- Chlorides (ads determined by EPA method 300.1): 40,000 mg/kg or background concentration, whichever is greater
- TPH (EPA SW-846 method 418.a or other division-approved EPA method): 2500 mg/kg.
- GRO and DRO combined fraction (EPA SW-846 method 8015M): 1000 mg/kg.
- BTEX (EPA SW-846 method 8021B or 8260B or other approved EPA method): 50 mg/kg
  - Benzene (EPA SW-846 method 8021B or 8260B or other approved EPA method): 10 mg/kg

A five point composite sample was taken of the pit using sample tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b) results attached.

8) If the contents are above the concentration limits after stabilization Whiting will comply with 19.15.17.13.C (Waste Excavation and Removal)
Not necessary

9) If it is determined that contents of the pit doesn't exceed the above-specified concentrations, the pit will be covered with compacted, non-waste-containing, earthen material. A division-prescribed soil cover will be constructed and the site will be re-contoured and re-vegetated, per Subsections D, E, F, G, H, of 19.15.17.13 NMAC
The pit material passed solidification and testing standards. The pit area was then back filled with compacted, non-waste containing earthen material.

10) All areas associated with the pit that are no longer being used will be substantially restored to the condition that existed prior to oil and gas operations by placement of the soil cover re-contouring to match original contours and surrounding topography, and re-vegetating.
This was done – please see attached pictures

11) If an alternative to the re-vegetation requirements is required to prevent erosion, protect fresh water, or protect human health and the environment, this alternative will be proposed to the surface owner. The proposed alternative, with written documentation demonstrating that the surface owner approves the alternative, will be submitted to the division for approval.
No alternative is required

12) Soil cover will consist of 4' of non-waste containing earthen material with chloride concentrations less than 600mg/KG including 1' of topsoil
Four feet of non-waste earthen cover was achieved including one foot of suitable material to establish vegetation.

13) All contents, including synthetic pit liners, will be buried in place. By folding outer edges of the pit liner to overlap waste material, and then installing a geomembrane liner cover that is 20 mil string reinforced LLDPE, synthetic material, impervious, resistant to ultra violet light, petroleum hydrocarbons, salts, acid and alkaline.
These was done including placing a 20 mil LLDPE liner cover

14) Soil cover will be constructed to the site's existing grade and will prevent ponding of water and erosion of the cover material.
This was done – reference attached photos

15) The first favorable growing season following pit closure, all disturbed areas associated with the pit and no longer being used will be seeded or planted.
This area will be re-seeded during the next growing season in this area – reference attached letter

16) Seeding will be accomplished by drilling on the contour whenever practical, or by other division-approved methods. Vegetative cover will be considered complete when there is a life form ratio of +/- 50% of pre-disturbance levels with at least 70% total plant cover of pre-disturbance level (Excluding Noxious Weeds) OR in accordance to 19.15.17.13.H.5.d
This will be done during the next growing season in this area

17) Seeding or planting will be repeated until the required vegetative cover is successfully achieved.
Whiting will comply

18) When conditions aren't favorable for the establishment of vegetation (such as during periods of drought), the division will be contacted for approval to delay seeding or planting, or forapproval to use additional cultural techniques such as mulching, fertilizing, irrigating, fencing, etc.
Attached letter

19) The division will be notified when seeding or planting is completed, and when successful re-vegetation has been achieved.
Whiting will comply

20) Place a steel marker at the center of the onsite burial. The marker shall be 4" diameter, at least 4' high and cemented 3' deep. The following will be welded, stamped or otherwise permanently engraved into the marker; operator name, lease name, well number and location, unit letter, section, township, range, and that the marker designates an onsite burial
Reference attached pictures

21) Within 60 days of closure, completion, a closure report will be submitted on form C-144, with necessary attachments, to document closure activities, including sampling results, a plot plan, and backfilling details. In this closure report, Whiting will certify that all information in the report and attachments is correct and that Whiting has complied with all applicable closure requirements and conditions specified in the approved Closure Plan. A plat of the temporary pit location will be provided on form C-105.

WHITING

April 20, 2015

Linda Lewis
141 Lewis Road
Mosquero, New Mexico 87733

RE: Notification to Surface Owner of On-Site Drilling Pit Closure Plan

Wells:

04/29/2015
GALVESTON 2028 30 Well #1 30-021-20662
1700' FSL 1700 FWL
Located in Section 30, T20N, R28E Harding County, NM

04/30/2015
LEWIS 2028 26 Well #1 30-021-20669
2590 FSL & 1077 FWL
Located in Section 26, T20N, R28E, Harding County, NM

05/01/2015
LEWIS 2028 35 Well #1 30-021-20667
1112' FSL & 1284 FEL
Located in Section 35, T20N, R28E, Harding County, NM

This letter is to notify you that Whiting Oil & Gas proposes to close and remediate the surface land on or around the dates listed above weather permitting. The pit will be closed according to all rules and regulations noted in Subsection E of 19.15.17.13 NMAC.

If you have any additional question please contact Kay Maddox @ 432.686.6709.

Sincerely,

Kay Maddox
Regulatory Supervisor

Mailed by certified mail to above listed party on this the 20th day of April, 2015

Kay Maddox
Signed: Kay Maddox- Regulatory Supervisor

7011 3500 0002 4991 1878
Certified Mail Number

Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation
400 W. Illinois Avenue, Suite 1300, Midland, TX 79701 Office: 432.686.6700 Fax 432.686.6799

Kay Maddox

Subject: FW: Pit Closure Notifications - 3 Wells

From: Kay Maddox
Sent: Monday, April 20, 2015 1:11 PM
To: Lowe, Leonard, EMNRD (Leonard.Lowe@state.nm.us)
Cc: Jones, William V, EMNRD (WilliamV.Jones@state.nm.us); Robert McNaughton; Danny Holcomb (djholcomb75@gmail.com); Danny Holcomb
Subject: FW: Pit Closure Notifications - 3 Wells

Please see corrected API no for Galveston well – I apologize

From: Kay Maddox
Sent: Monday, April 20, 2015 9:43 AM
To: Lowe, Leonard, EMNRD (Leonard.Lowe@state.nm.us)
Cc: Jones, William V, EMNRD (WilliamV.Jones@state.nm.us); Robert McNaughton; Danny Holcomb (djholcomb75@gmail.com); Danny Holcomb
Subject: Pit Closure Notifications - 3 Wells

Whiting Oil And Gas proposes to close the temporary pits associated with the wells listed below according to all rules and regulations.

Wells:

Will close - 04/29/2015
GALVESTON 2028 30 Well #1 30-021-20662
1700' FSL 1700 FWL
Located in Section 30, T20N, R28E Harding County, NM

Will close - 04/30/2015
LEWIS 2028 26 Well #1 30-021-20669
2590 FSL & 1077 FWL
Located in Section 26, T20N, R28E, Harding County, NM

Will close - 05/01/2015
LEWIS 2028 35 Well #1 30-021-20667
1112' FSL & 1284 FEL
Located in Section 35, T20N, R28E, Harding County, NM

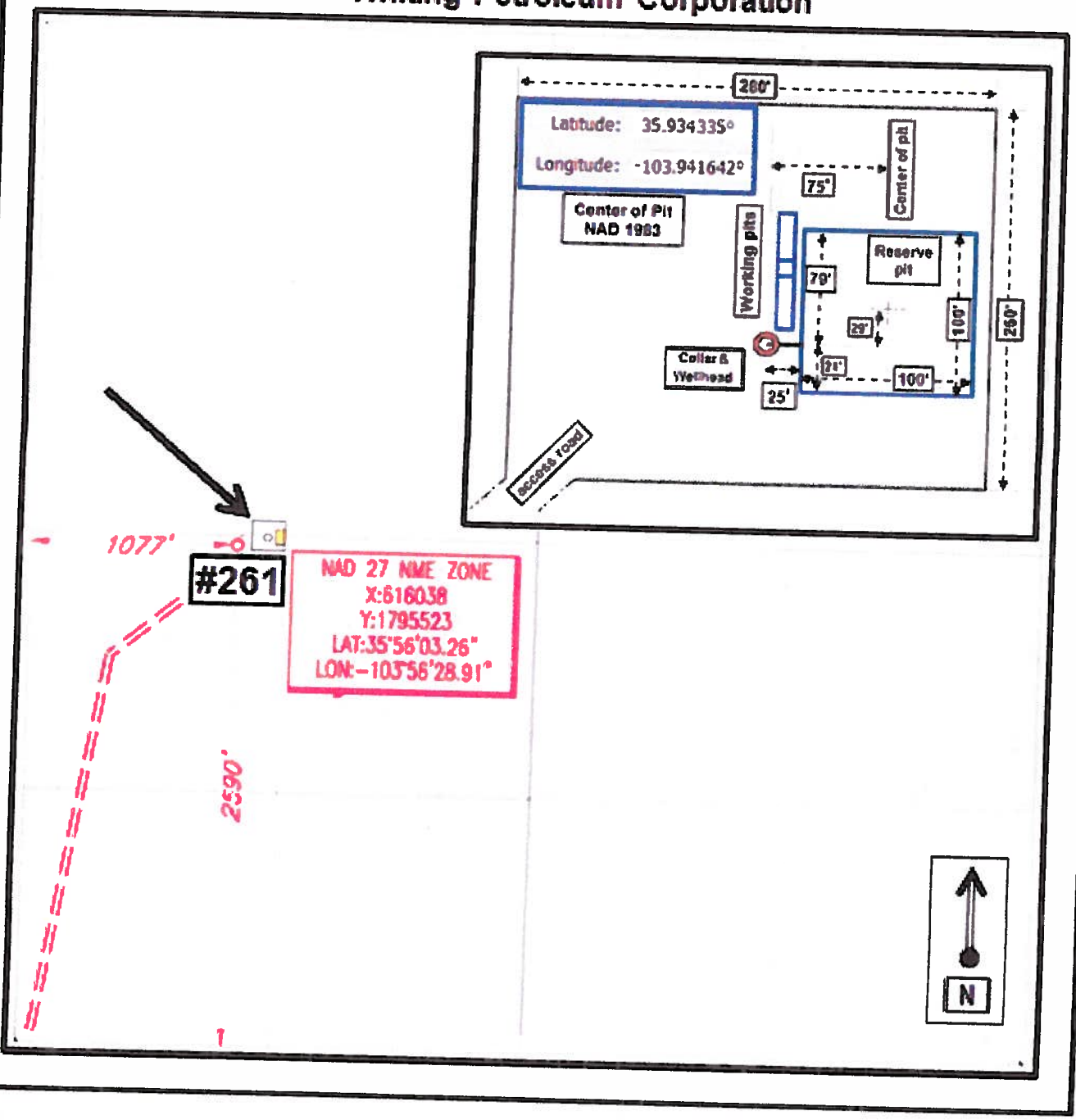
Kay Maddox
Regulatory Supervisor
Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation
400 West Illinois Avenue, Suite 1300

Pit Plot

Lewis 2028 #261

T-20-N, R-28E, Section 26 NMPM

Whiting Petroleum Corporation



STATE OF NEW MEXICO

COUNTY OF HARDING

NOTICE OF PIT CLOSURE

In accordance with Section 19.15.17.13.E.4 of the NMOCD , the operator hereby provides notice of an on-site burial of a temporary Oil & Gas drilling pit. All rules and regulations of Rule 19.15.17 have been adhered to.

Lease name:	LEWIS 2028 26
Well No:	1
API No:	30-021-20669
TWN & RGE:	TWN 20N RGE 28E Section 26
Unit Letter:	L
Footages:	2590' FSL & 1077' FWL
Date of Closure:	04/30/2015

IN WITNESS WHEREOF, the recordation notice of Pit Closure/burial has been executed on the date indicated below by undersigned.

Whiting Petroleum Corporation
And its wholly owned subsidiary
Whiting Oil & Gas Corporation

Kay Maddox

Kay Maddox – Regulatory Supervisor

HARDING COUNTY, NM
DOCUMENT# 20150037
05/19/15 09:03:54 AM
1 of 1
BY CJ Garrison

STATE OF TEXAS
COUNTY OF MIDLAND

This instrument was acknowledged before me this 7TH day of MAY, 2015, by

Kay Maddox on behalf of Whiting Oil & Gas Corporation.

Sheila Shanks
Notary Public,
State of Texas
Expires: 04/21/2019

Sheila Shanks

Notary Public

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Lewis 2028 26 #1

April 07, 2015

ROBERT MCNAUGHTON

WHITING OIL & GAS

400 W. ILLINOIS, SUITE 1300

MIDLAND, TX 79701

RE: WEST BRAVO DOME

Enclosed are the results of analyses for samples received by the laboratory on 03/26/15 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GALVESTON 2028 # 291	H500809-01	Soil	25-Mar-15 13:10	26-Mar-15 11:50
LEWIS 2028 # 261	H500809-02	Soil	25-Mar-15 13:40	26-Mar-15 11:50
DECATUR 1927 # 241	H500809-03	Soil	25-Mar-15 14:05	26-Mar-15 11:50
DOROTEO 1927-15 #3	H500809-04	Soil	25-Mar-15 14:40	26-Mar-15 11:50
AK GEE 1928 # 301	H500809-05	Soil	25-Mar-15 15:15	26-Mar-15 11:50
WHITE-COOK 1828-05 #1	H500809-06	Soil	25-Mar-15 15:45	26-Mar-15 11:50

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

GALVESTON 2028 # 291

H500809-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**464**		16.0	mg/kg	4	5032615	AP	27-Mar-15	4500-Cl-B	
Organic Compounds										
TPH 418.1	**599**		100	mg/kg	10	5040701	CK	07-Apr-15	418.1	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	ND		0.050	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Toluene*	ND		0.050	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Total BTEX	ND		0.300	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*61-154*		*5032707*	ms	*28-Mar-15*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10	ND		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
DRO >C10-C28	**14.3**		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
Surrogate: 1-Chlorooctane			*107 %*	*47.2-157*		*5032612*	MS	*26-Mar-15*	*8015B*	
Surrogate: 1-Chlorooctadecane			*108 %*	*52.1-176*		*5032612*	MS	*26-Mar-15*	*8015B*	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

LEWIS 2028 # 261

H500809-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1440**		16.0	mg/kg	4	5032615	AP	27-Mar-15	4500-Cl-B	
Organic Compounds										
TPH 418.1	**2320**		100	mg/kg	10	5040701	CK	07-Apr-15	418.1	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	ND		0.050	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Toluene*	ND		0.050	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Total BTEX	ND		0.300	mg/kg	50	5032707	ms	28-Mar-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*61-154*		*5032707*	ms	*28-Mar-15*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10	ND		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
DRO >C10-C28	**18.8**		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
Surrogate: 1-Chlorooctane			*117 %*	*47.2-157*		*5032612*	MS	*26-Mar-15*	*8015B*	
Surrogate: 1-Chlorooctadecane			*115 %*	*52.1-176*		*5032612*	MS	*26-Mar-15*	*8015B*	

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

DECATUR 1927 # 241

H500809-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**1120**		16.0	mg/kg	4	5032615	AP	27-Mar-15	4500-Cl-B	
Organic Compounds										
TPH 418.1	**1440**		100	mg/kg	10	5040701	CK	07-Apr-15	418.1	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Toluene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Total BTEX	ND		0.300	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*108 %*	*61-154*		*5032708*	ms	*28-Mar-15*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10	ND		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
DRO >C10-C28	**41.0**		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
Surrogate: 1-Chlorooctane			*112 %*	*47.2-157*		*5032612*	MS	*26-Mar-15*	*8015B*	
Surrogate: 1-Chlorooctadecane			*120 %*	*52.1-176*		*5032612*	MS	*26-Mar-15*	*8015B*	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

DOROTEO 1927-15 #3

H500809-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**784**		16.0	mg/kg	4	5032615	AP	27-Mar-15	4500-Cl-B	
Organic Compounds										
TPH 418.1	**2660**		100	mg/kg	10	5040701	CK	07-Apr-15	418.1	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Toluene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Total BTEX	ND		0.300	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*109 %*	*61-154*		*5032708*	ms	*28-Mar-15*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10	ND		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
DRO >C10-C28	**33.9**		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
Surrogate: 1-Chlorooctane			*115 %*	*47.2-157*		*5032612*	MS	*26-Mar-15*	*8015B*	
Surrogate: 1-Chlorooctadecane			*120 %*	*52.1-176*		*5032612*	MS	*26-Mar-15*	*8015B*	

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

AK GEE 1928 # 301

H500809-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**880**		16.0	mg/kg	4	5032615	AP	27-Mar-15	4500-Cl-B	
Organic Compounds										
TPH 418.1	**933**		100	mg/kg	10	5040701	CK	07-Apr-15	418.1	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Toluene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Total BTEX	ND		0.300	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*61-154*		*5032708*	ms	*28-Mar-15*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10	ND		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
DRO >C10-C28	**11.2**		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
Surrogate: 1-Chlorooctane			*112 %*	*47.2-157*		*5032612*	MS	*26-Mar-15*	*8015B*	
Surrogate: 1-Chlorooctadecane			*113 %*	*52.1-176*		*5032612*	MS	*26-Mar-15*	*8015B*	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

WHITE-COOK 1828-05 #1

H500809-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**736**		16.0	mg/kg	4	5032615	AP	27-Mar-15	4500-Cl-B	
Organic Compounds										
TPH 418.1	**1730**		100	mg/kg	10	5040701	CK	07-Apr-15	418.1	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Toluene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Ethylbenzene*	ND		0.050	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Total Xylenes*	ND		0.150	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Total BTEX	ND		0.300	mg/kg	50	5032708	ms	28-Mar-15	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*61-154*		*5032708*	ms	*28-Mar-15*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10	ND		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
DRO >C10-C28	**42.0**		10.0	mg/kg	1	5032612	MS	26-Mar-15	8015B	
Surrogate: 1-Chlorooctane			*113 %*	*47.2-157*		*5032612*	MS	*26-Mar-15*	*8015B*	
Surrogate: 1-Chlorooctadecane			*117 %*	*52.1-176*		*5032612*	MS	*26-Mar-15*	*8015B*	

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5032615 - 1:4 DI Water										
Blank (5032615-BLK1)				Prepared & Analyzed: 26-Mar-15						
Chloride	ND	16.0	mg/kg							
LCS (5032615-BS1)				Prepared & Analyzed: 26-Mar-15						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (5032615-BSD1)				Prepared & Analyzed: 26-Mar-15						
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

Cardinal Laboratories

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Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

Organic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5040701 - Solvent Extraction										
Blank (5040701-BLK1)				Prepared & Analyzed: 07-Apr-15						
TPH 418.1	ND	100	mg/kg							
LCS (5040701-BS1)				Prepared & Analyzed: 07-Apr-15						
TPH 418.1	4400	100	mg/kg	5000		87.9	70-130			
LCS Dup (5040701-BSD1)				Prepared & Analyzed: 07-Apr-15						
TPH 418.1	4400	100	mg/kg	5000		88.1	70-130	0.205	20	

Cardinal Laboratories

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CARDINAL Laboratories

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Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5032707 - Volatiles										
Blank (5032707-BLK1)				Prepared: 27-Mar-15 Analyzed: 28-Mar-15						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0522*		mg/kg	*0.0500*		*104*	*61-154*			
LCS (5032707-BS1)				Prepared: 27-Mar-15 Analyzed: 28-Mar-15						
Benzene	2.16	0.050	mg/kg	2.00		108	77.1-114			
Toluene	1.95	0.050	mg/kg	2.00		97.4	67-114			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.7	63.5-121			
Total Xylenes	5.90	0.150	mg/kg	6.00		98.3	62.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0491*		mg/kg	*0.0500*		*98.2*	*61-154*			
LCS Dup (5032707-BSD1)				Prepared: 27-Mar-15 Analyzed: 28-Mar-15						
Benzene	2.17	0.050	mg/kg	2.00		109	77.1-114	0.627	16.4	
Toluene	1.95	0.050	mg/kg	2.00		97.6	67-114	0.219	16.2	
Ethylbenzene	1.94	0.050	mg/kg	2.00		96.9	63.5-121	0.226	17	
Total Xylenes	5.88	0.150	mg/kg	6.00		98.1	62.4-125	0.279	17	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0487*		mg/kg	*0.0500*		*97.3*	*61-154*			
Batch 5032708 - Volatiles										
Blank (5032708-BLK1)				Prepared: 27-Mar-15 Analyzed: 28-Mar-15						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0543*		mg/kg	*0.0500*		*109*	*61-154*			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5032708 - Volatiles										
LCS (5032708-BS1)				Prepared: 27-Mar-15 Analyzed: 28-Mar-15						
Benzene	2.22	0.050	mg/kg	2.00		111	77.1-114			
Toluene	2.00	0.050	mg/kg	2.00		100	67-114			
Ethylbenzene	2.01	0.050	mg/kg	2.00		100	63.5-121			
Total Xylenes	6.16	0.150	mg/kg	6.00		103	62.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0507*		mg/kg	*0.0500*		*101*	*61-154*			
LCS Dup (5032708-BSD1)				Prepared: 27-Mar-15 Analyzed: 28-Mar-15						
Benzene	2.22	0.050	mg/kg	2.00		111	77.1-114	0.0622	16.4	
Toluene	2.00	0.050	mg/kg	2.00		99.8	67-114	0.364	16.2	
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.7	63.5-121	0.691	17	
Total Xylenes	6.12	0.150	mg/kg	6.00		102	62.4-125	0.570	17	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0506*		mg/kg	*0.0500*		*101*	*61-154*			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

WHITING OIL & GAS 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701	Project: WEST BRAVO DOME Project Number: NONE GIVEN Project Manager: ROBERT MCNAUGHTON Fax To: NONE	Reported: 07-Apr-15 11:58

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5032612 - General Prep - Organics										
Blank (5032612-BLK1)				Prepared & Analyzed: 26-Mar-15						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*54.0*		mg/kg	*50.0*		*108*	*47.2-157*			
Surrogate: 1-Chlorooctadecane	*51.9*		mg/kg	*50.0*		*104*	*52.1-176*			
LCS (5032612-BS1)				Prepared & Analyzed: 26-Mar-15						
GRO C6-C10	208	10.0	mg/kg	200		104	72.5-115			
DRO >C10-C28	210	10.0	mg/kg	200		105	81.3-118			
Total TPH C6-C28	418	10.0	mg/kg	400		105	80-113			
Surrogate: 1-Chlorooctane	*56.0*		mg/kg	*50.0*		*112*	*47.2-157*			
Surrogate: 1-Chlorooctadecane	*50.9*		mg/kg	*50.0*		*102*	*52.1-176*			
LCS Dup (5032612-BSD1)				Prepared & Analyzed: 26-Mar-15						
GRO C6-C10	210	10.0	mg/kg	200		105	72.5-115	0.792	10.1	
DRO >C10-C28	210	10.0	mg/kg	200		105	81.3-118	0.116	15.3	
Total TPH C6-C28	420	10.0	mg/kg	400		105	80-113	0.453	12.1	
Surrogate: 1-Chlorooctane	*56.5*		mg/kg	*50.0*		*113*	*47.2-157*			
Surrogate: 1-Chlorooctadecane	*50.3*		mg/kg	*50.0*		*101*	*52.1-176*			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Whiting Oil & Gas
Project Manager: Robert McNaughton
Address: 400 W. Illinois, Suite 1300
City: Midland State: Tx Zip: 79701
Phone #: 806-471-5628 Fax #:
Project #: Project Owner:
Project Name: West Bravo Dome
Project Location: Harding Co., NM
Sampler Name: Danny Holcomb

BILL TO
P.O. #:
Company: Whiting Oil & Gas
Attn: Gary Ballock
Address: 400 W. Illinois, Suite 1300
City: Midland
State: Tx Zip: 79701
Phone #:
Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	PRESERV.: ACID/BASE	ICE / COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TPH 8015	TPH 418.1	Btex	Cl
H500809	~~Galveston 2028 #291~~																	
1	Galveston 2028 #291	C	1			✓					✓		3/25/15	1:10 pm	✓	✓	✓	✓
2	Lewis 2028 #261	C	1			✓					✓			1:40 pm	✓	✓	✓	✓
3	Decatur 1927 #241	C	1			✓					✓			2:05 pm	✓	✓	✓	✓
4	Doroteo 1927-15 #3	C	1			✓					✓			2:40 pm	✓	✓	✓	✓
5	AK Gee 1928 #301	C	1			✓					✓			3:15 pm	✓	✓	✓	✓
6	White-Cook 1828-05 #1	C	1			✓					✓			3:45 pm	✓	✓	✓	✓

Relinquished By: DJ Holcomb Date: 3/26/15 Time: 11:50 Received By: Jodie Henson
Relinquished By: Date: Time: Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: 0.2°C

Sample Condition: Cool: Yes / No; Intact: Yes / No
CHECKED BY: (Initials)

Phone Result: ☐ Yes ☒ No Add'l Phone #:
Fax Result: ☐ Yes ☒ No Add'l Fax #:
REMARKS:
Email results to:
djholcomb75@gmail.com
kay.maddox@whiting.com

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2526

CH

Version120804

WHITING OIL & GAS CORPORATION

Workover and Completion Report

Well Name:	Lewis 2028 261	Field:	Other	Date:	04/30/15	Day:	21	Type:	Initial Completion		
API:	30-021-20669	Move On Date:	11/12/2014	AFE #:	14-1121-01	Rig:	NA	Supv	DH	Depth:	2,831

Present Operation: Well shut in

Csg:	5.5" 15.5# J-55	Liner:	N/A
Rods:	N/A	Perfs:	2601'-2607', 2636'-2651' (0.42" hole 6 SPF)
Tbg:	None		Click to Calc. HP - Hrs

GHG Gas Vol(Mcf)	0	Dur. Hrs	0	mcf/d	0	% of gas		Gas Volume Estimated ??		Producing Method	
Total Rig Hrs:	0	Daily Activity		GHG Event Total HP/Hr (Units > 130 HP)		0	for		0	Units <= 130 HP (Count)	

3/30/15
MI Hartley Construction dirt equipment to begin reserve pit closure. Mix contents with clean dirt to stabilize contents.
4/17/15
Mix pit contents with additional clean dirt to stabilize contents. MO dirt equipment.
4/30/15
MI Hartley Construction dirt equipment to perform reserve pit closure per NMOCD rules. Remove barbed wire fencing and posts. Mix pit contents with additional clean dirt to stabilize contents. Cover stabilized cuttings with new 20 mil LLDPE liner cap, fold over outside edges of pit liner bottom, cover new liner cap with a minimum of 4 feet of dirt cover, work rocks down into fill, MO dirt equipment. NMOCD notified and not present.
5/1/15 Install 4.5" OD steel pit burial marker in center of pit burial (set in concrete).
Will final blade surface prior to reseeding. Will reseed pit closure area during 2015 planting season. Danny

Costs:

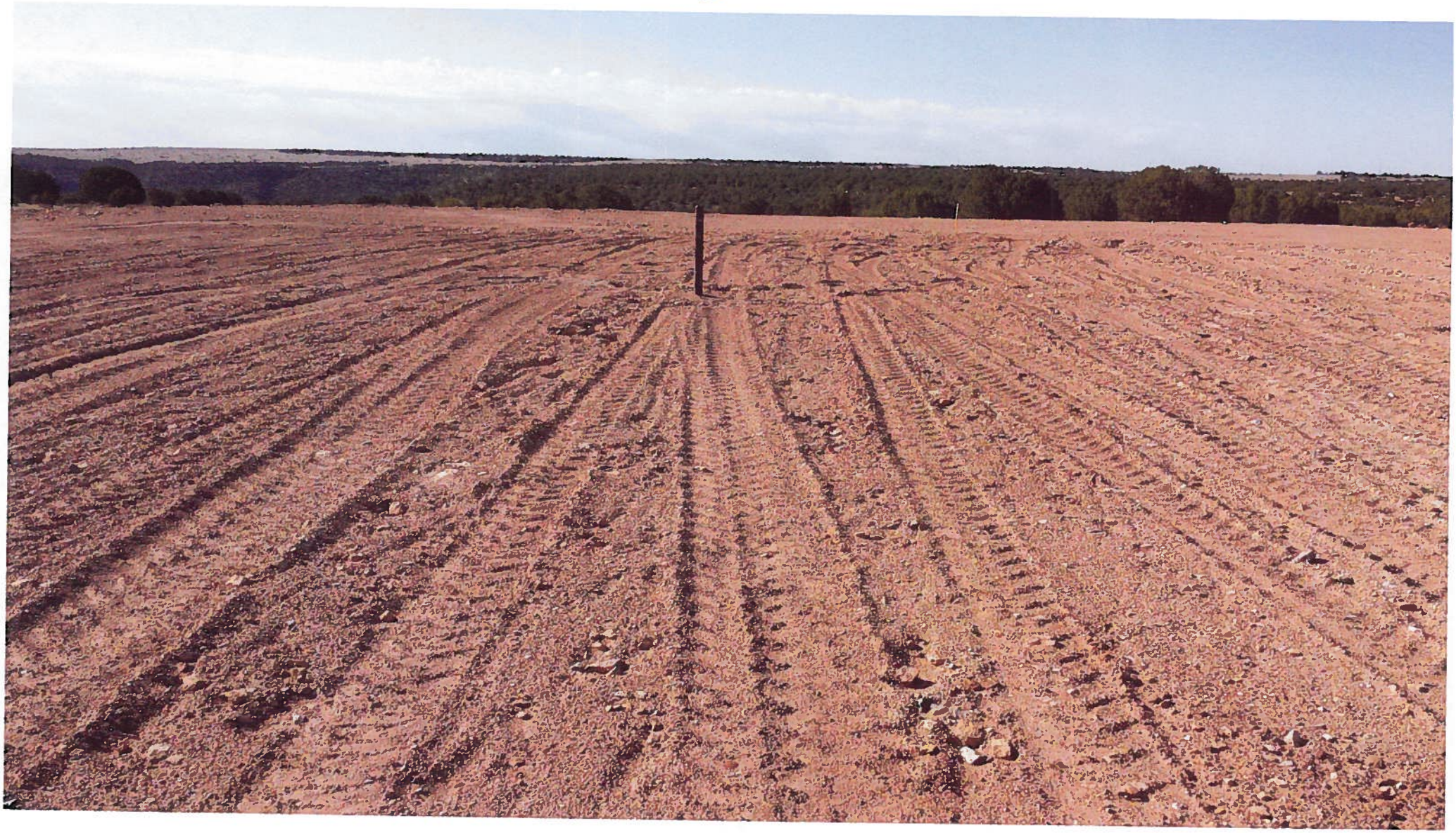
Expense Account Codes	Capital Account Codes	Comments	Amount
	811.94 Contract Services and Equipme	Hartley Construction - pit closure	$ 13,650.00
	811.39 Contract Labor	EWC - consultant	$ 1,350.00
	811.94 Contract Services and Equipme	Renegade Wireline - BHP survey	$ 4,248.00
	811.94 Contract Services and Equipme	Pacheco Trucking - dewater pit	$ 4,800.00

Daily Total:	$ 24,048
Prev. Total:	
Cum. Total:	$ 24,048


WHITING
Whiting
Oil & Gas Corp.
LEWIS 2028 #261
UNIT L, SEC. 26, T20N, R28E
2590' FSL & 1077' FWL
API #30-021-20669 HARDING CO., NM

Looking North

Looking South



Looking East

Looking West

Natural Gas Co.

May 15, 2015

Mr. Leonard Lowe
New Mexico Oil Conservation Division
1220 S. St. Francis Dr
Santa Fe, NM 87505

RE: Pit Closure

Dear Mr. Lowe,

Whiting Oil & Gas shall re-seed the disturbed Pit area for the well listed below. The re-seeding shall occur in the next rainy season documented for Harding County, New Mexico approximately August/September 2015.

If you have additional question please contact me @ 432.686.6709 or kay.maddox@whiting.com
Thank you for your time.

Sincerely,

Kay Maddox

Kay Maddox
Regulatory Supervisor

LEWIS 2028 26 Well # 1
30-021-20669
Harding County, New Mexico

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-021-20669

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

7. Lease Name or Unit Agreement Name
LEWIS 2028 26

8. Well Number 001

2. Name of Operator
WHITING OIL AND GAS CORPORATION

9. OGRID Number 25078

3. Address of Operator
400 W ILLINOIS STE 1300 MIDLAND, TX 79701

10. Pool name or Wildcat
BRAVO DOME CARBON DIOXIDE GAS 640

4. Well Location
Unit Letter L 2590 feet from the SOUTH line and 1077 feet from the WEST line
Section 26 Township 20N Range 28E NMPM County HARDING

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
5406' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER: CLOSED TEMPORARY PIT	☒		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

11/12/2014 SPUDDED WELL
11/14/2014 DRLD 12 1/4 " HOLE, RAN 9 5/8" J-55 36# CSG SET @ 770' W/350 SXS CMT (12.10 PPG, 2.40 YIELD) + 150 SXS CMT (14.80 PPG, 1.34 YIELD) TOTAL 500 SXS CMT, CIRC CMT TO SURF, PRESS UP TO 600# -OK
11/23/2014 TD 2831 DRLD 8 3/4 " HOLE, RAN 5 1/2" J-55 15.5# CSG SET @ 2831' W/600 SXS CMT (12.10 PPG, 2.40 YIELD) + 300 SXS CMT (14.80 PPG, 1.34 YIELD) TOTAL 900 SXS CMT, CIRC CMT TO SURF, PRESS UP TO 600# -OK
11/23/2014 RELEASED RIG

04/30/2015 CLOSED TEMPORARY PIT

Spud Date: 11/12/2014 Rig Release Date: 11/23/2014

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE: REGULATORY ANALYST DATE: 05/15/2015

Type or print name Kay Maddox E-mail address: kay.Maddox@Whiting.com PHONE: 432-638-8475

For State Use Only

APPROVED BY:_____ TITLE_____ DATE_____
Conditions of Approval (if any):

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals, and Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-021-20669	98104	Wildcat; Tubb CO2 GAS Pool
4 Property Code	**5 Property Name**	**6 Well Number**
313938	LEWIS 2028 26	1
7 OGRID No.	**8 Operator Name**	**9 Elevation**
25078	WHITING OIL & GAS CORPORATION	5406'

10 Surface Location

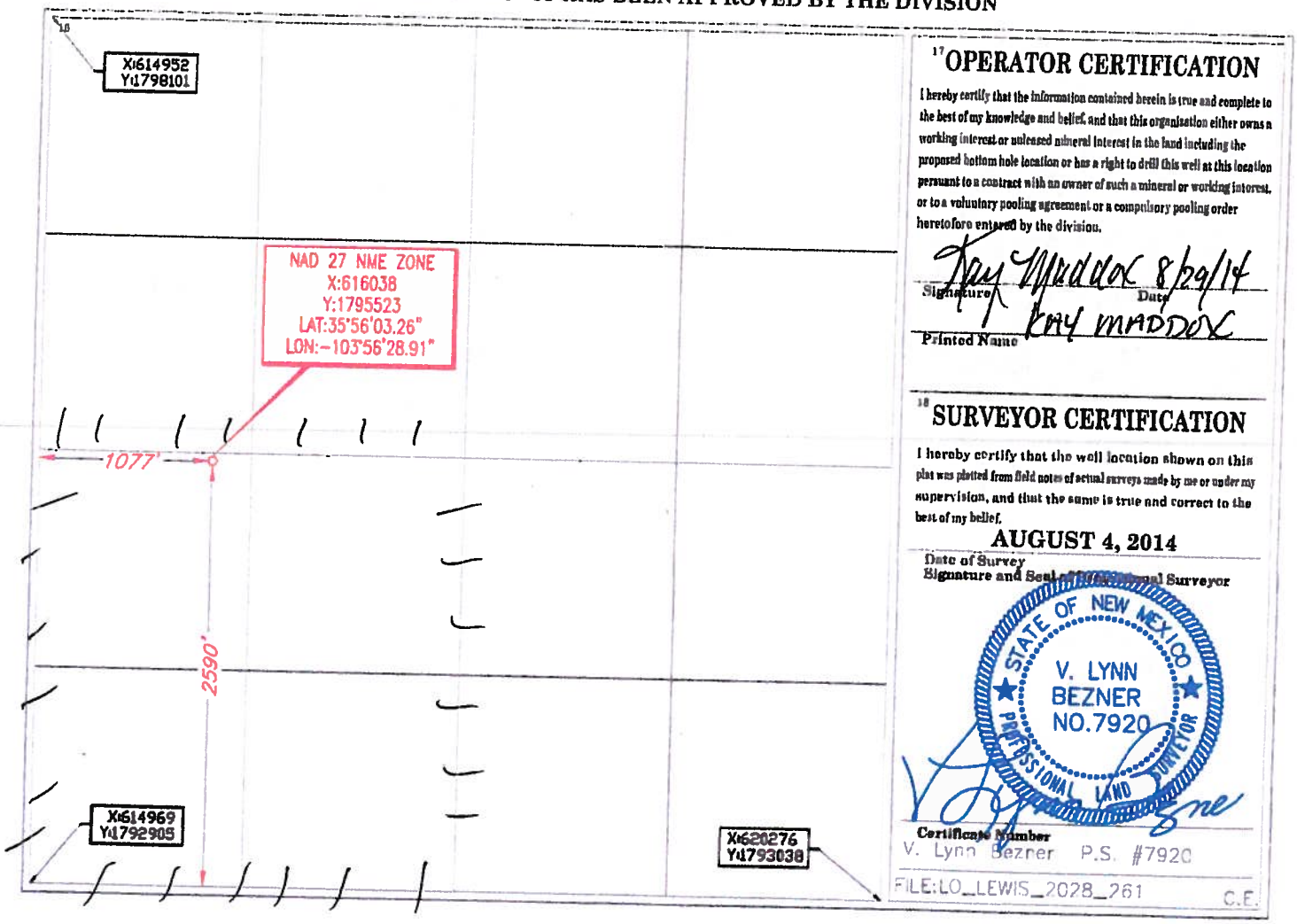
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	26	20 NORTH	28 EAST, N.M.P.M.		2590'	SOUTH	1077'	WEST	HARDING

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160			

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kay Maddox 8/29/14
Signature Date

Kay Maddox
Printed Name

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

AUGUST 4, 2014
Date of Survey
Signature and Seal of Professional Surveyor

STATE OF NEW MEXICO
V. LYNN BEZNER
NO. 7920
PROFESSIONAL LAND SURVEYOR

Certificate Number
V. Lynn Bezner P.S. #7920

FILE:LO_LEWIS_2028_261 C.E.